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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicants: Mukerji, et al.

Serial No.: 10/060,793

Filed: January 30, 2002

For: DESATURASE GENES, ENZYMES
ENCODED THEREBY AND USES THEREOF

Case No.: 6884.US.01

Group Art No.: 1645

Examiner: (not yet assigned)

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PRELIMINARY AMENDMENT

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Prior to an examination of the above-referenced
application on the merits, please amend the application as
follows:

IN THE SPECIFICATION:

Please replace page 9, line 13 - page 10, line 6 with
the following:

Figure 1 is a schematic showing the biosynthetic
pathway leading to the production of various PUFAs.

Figure 2 is the nucleotide sequence of *sdd17* (SEQ ID
NO: 25), a gene derived from *S. diclina* (ATCC 56851) that
encodes a novel ω3-fatty acid desaturase.